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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 AUG 10 Time limit for inactive STN sessions doubles to 40
minutes
NEWS 3 AUG 18 COMPENDEX indexing changed for the Corporate Source
(CS) field
NEWS 4 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 5 AUG 24 CA/CAPLUS enhanced with legal status information for
U.S. patents
NEWS 6 SEP 09 50 Millionth Unique Chemical Substance Recorded in
CAS REGISTRY
NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM
thesaurus
NEWS 8 OCT 21 Derwent World Patents Index Coverage of Indian and
Taiwanese Content Expanded
NEWS 9 OCT 21 Derwent World Patents Index enhanced with human
translated claims for Chinese Applications and
Utility Models
NEWS 10 NOV 23 Addition of SCAN format to selected STN databases
NEWS 11 NOV 23 Annual Reload of IFI Databases
NEWS 12 DEC 01 FRFULL Content and Search Enhancements
NEWS 13 DEC 01 DGENE, USGENE, and PCTGEN: new percent identity
feature for sorting BLAST answer sets
NEWS 14 DEC 02 Derwent World Patent Index: Japanese FI-TERM
thesaurus added
NEWS 15 DEC 02 PCTGEN enhanced with patent family and legal status
display data from INPADOCDB
NEWS 16 DEC 02 USGENE: Enhanced coverage of bibliographic and
sequence information
NEWS 17 DEC 21 New Indicator Identifies Multiple Basic Patent
Records Containing Equivalent Chemical Indexing
in CA/CAPLUS
NEWS 18 JAN 12 Match STN Content and Features to Your Information
Needs, Quickly and Conveniently

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that
specific topic.

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 13:27:16 ON 19 JAN 2010

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'REGISTRY' ENTERED AT 13:27:28 ON 19 JAN 2010

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 18 JAN 2010 HIGHEST RN 1202470-25-4

DICTIONARY FILE UPDATES: 18 JAN 2010 HIGHEST RN 1202470-25-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10581534.str



```

chain nodes :
15 17 19
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
3-19 5-7 17-19
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
3-19 17-19
exact bonds :
5-7
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
isolated ring systems :
containing 1 : 7 :

```

G1:O,N,Ak

G2:Cy,Ak

Match level :

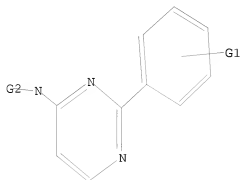
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 15:CLASS 16:Atom 17:CLASS 19:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,N,Ak

G2 Cy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 13:27:59 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2784 TO ITERATE

71.8% PROCESSED 2000 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 52515 TO 58845

PROJECTED ANSWERS: 1690 TO 2986

L2 50 SEA SSS SAM L1

=> s l1 sss ful

FULL SEARCH INITIATED 13:28:38 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 57313 TO ITERATE

100.0% PROCESSED 57313 ITERATIONS

2501 ANSWERS

SEARCH TIME: 00.00.01

L3 2501 SEA SSS FUL L1

=> fil capl

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

192.03

192.25

FILE 'CAPLUS' ENTERED AT 13:28:45 ON 19 JAN 2010
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FILE COVERS 1907 - 19 Jan 2010 VOL 152 ISS 4
FILE LAST UPDATED: 18 Jan 2010 (20100118/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s l3
L4      178 L3

=> s l4 and (pry<2004)
      4304195 PRY<2004
L5      82 L4 AND (PRY<2004)

=> s l4 and (py<2004)
      24054859 PY<2004
L6      100 L4 AND (PY<2004)

=> s l5 or l6
L7      113 L5 OR L6

=> s l7 and tubulin
      18746 TUBULIN
      15377 TUBULINS
      21945 TUBULIN
      (TUBULIN OR TUBULINS)
L8      1 L7 AND TUBULIN

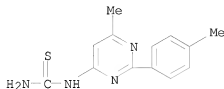
=> d ibib abs hitstr 1-113

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:523422 CAPLUS
DOCUMENT NUMBER: 143:60000
TITLE: Preparation of pyrazines and related compounds as
      tubulin inhibitors
INVENTOR(S): Burns, Christopher John; Wilks, Andrew Frederick;
```

10581534 STN Search Notes

RN 860760-59-4 CAPLUS

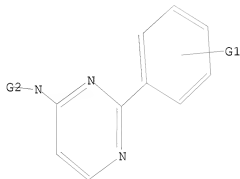
CN Thiourea, N-[6-methyl-2-(4-methylphenyl)-4-pyrimidinyl]- (CA INDEX NAME)



=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,N,Ak

G2 Cy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> d his

(FILE 'HOME' ENTERED AT 13:27:16 ON 19 JAN 2010)

FILE 'REGISTRY' ENTERED AT 13:27:28 ON 19 JAN 2010

L1 STRUCTURE UPLOADED

L2 50 S L1 SSS SAM

L3 2501 S L1 SSS FUL

FILE 'CAPLUS' ENTERED AT 13:28:45 ON 19 JAN 2010

L4 178 S L3

L5 82 S L4 AND (PRY<2004)

L6 100 S L4 AND (PY<2004)

L7 113 S L5 OR L6

L8 1 S L7 AND TUBULIN

L9 113 S L7

=> logoff y

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE

ENTRY

675.77

TOTAL

SESSION

868.02

10581534 STN Search Notes

| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
|--|---------------------|------------------|
| CA SUBSCRIBER PRICE | -96.90 | -96.90 |

STN INTERNATIONAL LOGOFF AT 13:36:32 ON 19 JAN 2010